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Page 2 [Eighth Supplemental Amendment (Following Applicants' July 30, 1999
Seventh Supplemental Amendment) - August 11, 1999]

PLEASE AMEND THE ABOVE-IDENTIFIED APPLICATION AS FOLLOWS:

In The Specification:

Page 93, line 25, after the paragraph ending with "and/or to be detectable thereon", insert the following two paragraphs:

A1

-- In accordance with the last-described nucleotides this invention provides nucleotides wherein the base is a pyrimidine and the Sig chemical moiety is attached to the pyrimidine at the N3 position. Also provided are such nucleotides wherein the base is a pyrimidine and the Sig chemical moiety is attached to the pyrimidine at the C6 position.

Also in accordance with the nucleotides described above, this invention provides other nucleotides wherein the base is a purine and the Sig chemical moiety is attached to the purine at the N1 position. Other nucleotides are provided wherein the base is a purine and the Sig chemical moiety is attached to the purine at the C2 position. Still other nucleotides are provided wherein the base is a purine and the Sig chemical moiety is attached to the purine at the N3 position. This invention also provides nucleotides wherein the base is a purine and the Sig chemical moiety is attached to the purine at the N7 position. --

Page 98, line 14, after the paragraph ending with "special nucleotides of this invention." insert the following new paragraph:

A2

-- The Sig chemical moiety can comprise any of the following:
an aliphatic chemical moiety containing at least 4 carbon atoms;
an aliphatic chemical moiety containing at least 3 carbon atoms and at least one double bond; and
an aromatic or a cycloaliphatic group containing at least six or at least five carbon atoms. --

In The Claims:

Amend claims, 284, 331, 332, 337, 348, 376, 377, 381, 385, 386, 390, 391, 392, 513, 514, 515, 516, 517, 518, 522, 523, 524 and 526 as follows: